The information in this report is required by 14 CRF 108.17 & 129.26. Failure to report may result in a civil penalty not to exceed $1000.00 For each such violation. (Federal Aviation Act of 1958, Section 901)

Department of Transportation Federal Aviation Administration	X-RAY SYSTEM RADIATION LEAKAGE REPORT (BAGGAGE INSPECTION) (Require by 14 CRF 108.17, 14 CRF 129.26)	FIELD TEST SERIAL NO. 11-7 T	Form Approved OMB No. 2120-0098

AA 1.1 Name and Address of Facility and Specific Location of X-ray System

Name of Facility (18.80): PHILADELPHIA
FDA Region: PA
BB St. No. R.R. or Airline/Airport (10.80): 8800 ESSINGTON AVE
CC City (10.73): PHILADELPHIA
State Code: PA
Zip Code: 19153
DD Room No. or Other Location of System (10.32): A-EAST CHECKPOINT LANE
Person Interview (33-54): [redacted]
Telephone No.: [redacted]
Certification Label Present: Yes
Instruments: (type and serial number) Model: 451P Serial No. 479

01 1.2 Manufacture And Product ID

A. Manufacture (Responsible Firm): Rapiscan Security Products, Inc.
B. 0HU46 Mfr. Code
C. System Model No. and/or Name: RAPISCAN 522
D. 115V 60HZ Unique I.D.
E. System Serial No. 7014706
F. Date of Manufacture Mo. Yr. 2001
1.4 Operator Instructions Available: Yes
1.5 Maintenance Schedule Available: Yes

02 2.0 Warning Labels Indicators

2.1 Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized": Yes
2.2 Warning Labels Present at Ports Stating: "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard": Yes
2.3 Two Indicators Labeled "X-Ray On" Present at Controls (One May Be Labeled 'mA Meter'): Yes
2.4 At Least One Indicator, X-Ray Marked "X-Ray On", Visible from Each Port, Door, And Access Panel: Yes
3.0 Interlocks
3.1 "Captured Key" Control: Yes

3.2 Door Safety Inter-Locks

A. Minimum Number of Interlocks Visible At Any One Door: N/A
B. At Least One Interlock Dependent on No Moving Part Except Door: N/A

3.3 Prevention of X-Radiation By Interlocks

A. All Doors and Access Panels That Were Tested Prevent Generation of X-Radiation: N/A
B. Use of X-Ray Control Necessary to Resume Operation Following Interruption: N/A

4.0 Ports and/or Apertures
4.1 Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam: No
4.2 Some Part of the Body Can Be Inserted Into the Aperture: No

03 6.0 Baggage Inspection Systems
6.1 Means Provided to Ensure Operator Presence at the Control Area: Yes
6.2 Means Provided to Operator for Terminating Exposures of Greater than One-Half Second and Preventing: Yes

7.0 Leakage Radiation
Specific Test Procedure Used: 04
7.1 Scatter Block Description: PELICAN 1400 CASE

7.2 Technical Factors: 140 kVp 700 mA

05 7.3 Location Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated	**06** Location Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated
.077 mR/hr	Exp	.058 mR/hr	exp
.062 mR/hr	Exp	.055 mR/hr	exp
.061 mR/hr	exp	.044 mR/hr	exp
.059 mR/hr	exp	.039 mR/hr	exp

07 Reasonable Number of Exposures That May Be Initiated in One Hour — OR — Duty Cycle of System Indicated As a Percentage of One Hour: 100%

08 8.0 Additional Information
8.1 126uR
09 8.2
10 8.3
11 8.4
12 8.5 Main Beam Intensity =

13 Surveyor Information
Surveyor Name (10-72) (Print: L, F, MI): [redacted]
Surveyor Signature: [redacted]
Date of Survey: 7/31/09
Surveying Agency Code:

Remarks: ENTERED AUG 0 4 2009
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FAA Form 165-17 (6-81)

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PM 2457975

FAA HQ